

Listing of Claims

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
1. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (Canceled)
20. (Currently Amended) An organic light emitting diode (OLED) comprising an anode, a buffer layer, an electroluminescent layer, and a cathode, wherein the buffer layer ~~has a conductivity value less than about 1×10^{-3} S/cm~~ and comprises an electrically conductive polymer and a plurality of nanoparticles dispersed therein, wherein said nanoparticles are selected from silica, alumina, metallic nanoparticles, and zinc antimonates, and wherein said nanoparticles reduce the conductivity of the electrically conductive polymer.
21. (Canceled)
22. (Canceled)
23. (Canceled)
24. (Canceled)
25. (Canceled)
26. (Canceled)
27. (Canceled)
28. (Canceled)
29. (Canceled)
30. (Canceled)

31. (Canceled)
32. (Canceled)
33. (Canceled)
34. (Canceled)
35. (Canceled)
36. (Canceled)
37. (Canceled)
38. (Canceled)
39. (Canceled)
40. (Previously Presented) The OLED of Claim 20, wherein the electrically conductive polymer is an acid/base salt.
41. (Currently Amended) The OLED of Claim 20, wherein the buffer layer has a conductivity value less than about 1×10^{-3} S/cm~~conductivity value is less than about 1×10^{-5} S/cm.~~
42. (Canceled)
43. (Canceled)
44. (Canceled)
45. (Previously Presented) The OLED of Claim 40, wherein the acid/base salt comprises PAni/PAAMPSA.